



UP-tex presentation

Innovation Cluster

PÔLES DE COMPÉTITIVITÉ — CLUSTERS — RECHERCHE — ENTREPRISES — RÉSEAUX
MATÉRIAUX AVANCÉS — POLYSENSORIALITÉ — CUSTOMISATION DE MASSE — TEXTILES INTELLIGENTS — TEXTILES
DÉVELOPPER — ÉCO-CONCEVOIR — DESIGNER — ENTREPRENDRE — CRÉER — RECHERCHER — INNOVER
TRANSPORTS — SANTÉ — HABILLEMENT — PROTECTION — GÉNIE CIVIL — BÂTIMENT — AMEUBLEMENT — SPORTS — MARCHÉS
DÉVELOPPEMENT DURABLE — R&D — GÉNIE TEXTILE — MATÉRIAUX SOUPLES — AVENIR
NORD-PAS DE CALAIS — PICARDIE — FRANCE — EUROPE — MONDE — TERRITOIRE

UP-tex



- EUROPEAN AMBITION

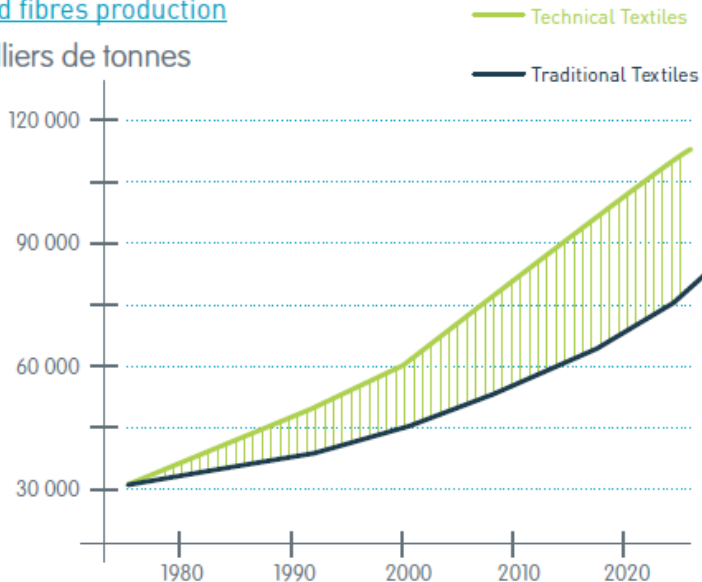
Became the European cluster of reference concerning Advanced Textile Materials (ATM), polysensoriality technologies and mass customisation.

- WITH A MARKET OF INNOVATIVE TEXTILES GROWING FAST AND A HIGH DEVELOPMENT POTENTIAL

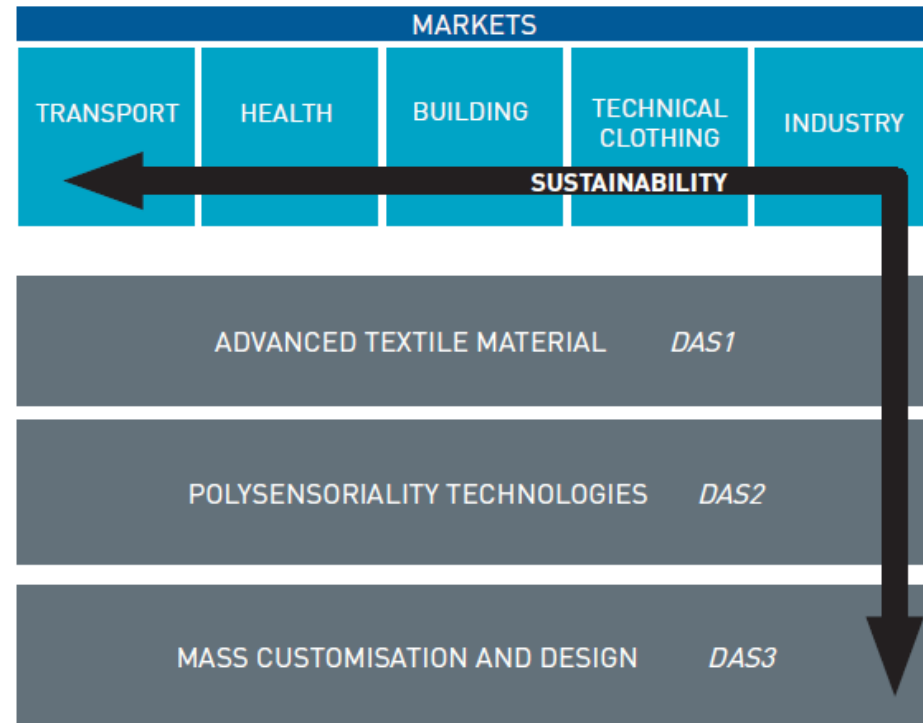
World Market of 130 billions dollars in 2011

World fibres production

Milliers de tonnes



Textile material becomes a «mother technology» on several end-users markets





- AT THE HEART OF EUROREGION, WORLD LEADER IN TECHNICAL TEXTILES

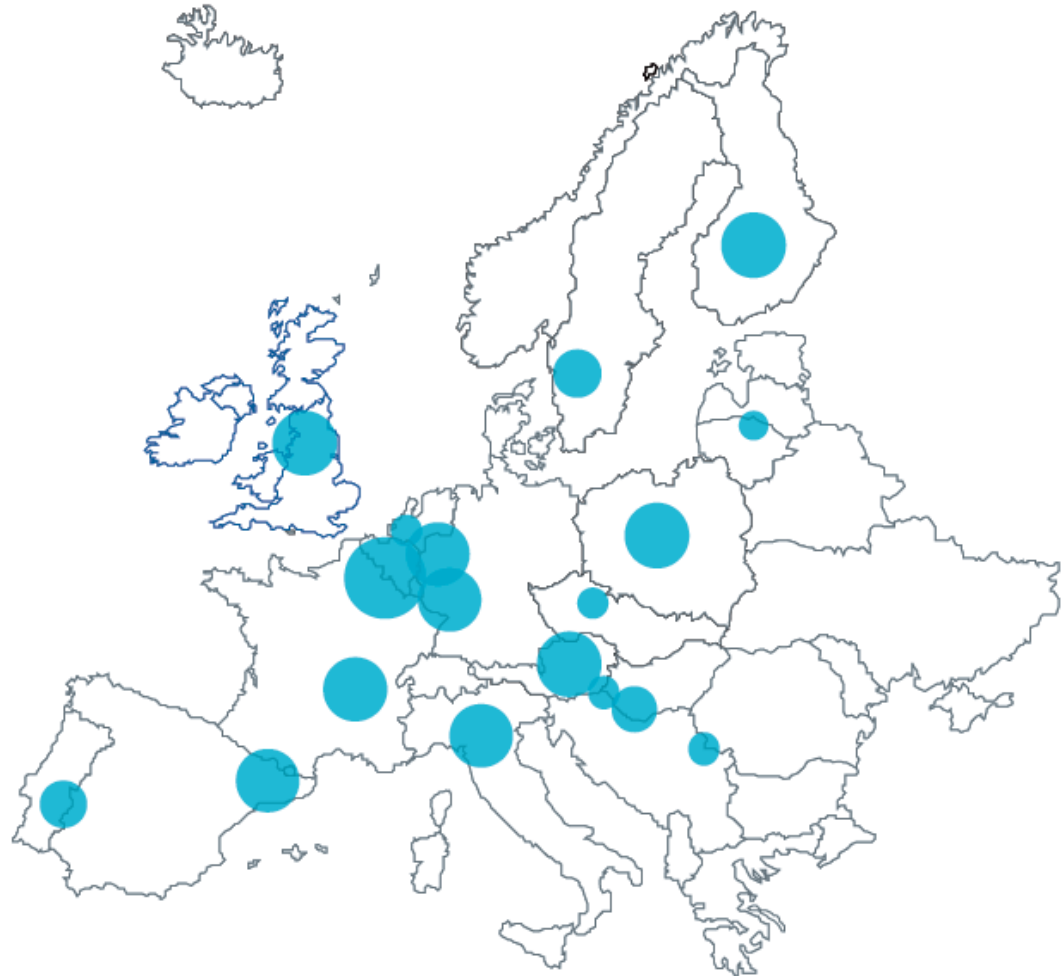
In a range of 150 km around Lille:

- 150 companies in France for 9000 employees
- 80 companies in Belgium for 8500 employees

The first european companies concentration based on technical textiles.

World famous textile laboratories like (ENSAIT/GEMTEX, IFTH, Centexbel, HEI, ONERA, Centrale Lille, Mines de Douai, Chimie Lille...)

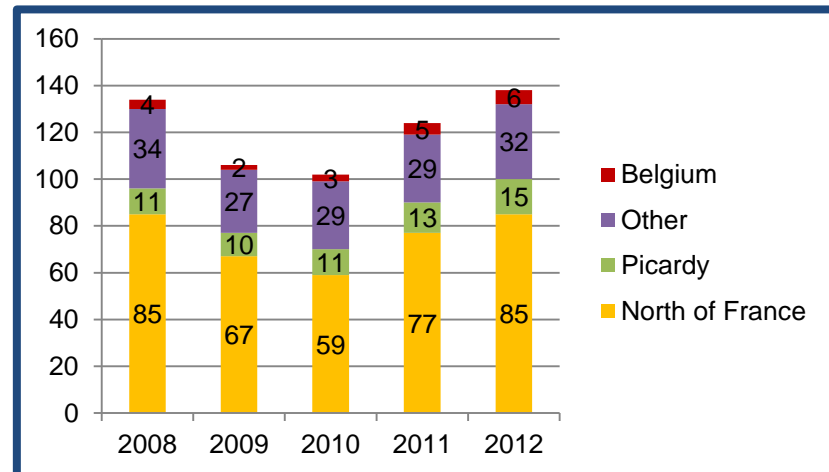
The region trains 17% of textile engineers in Europe.



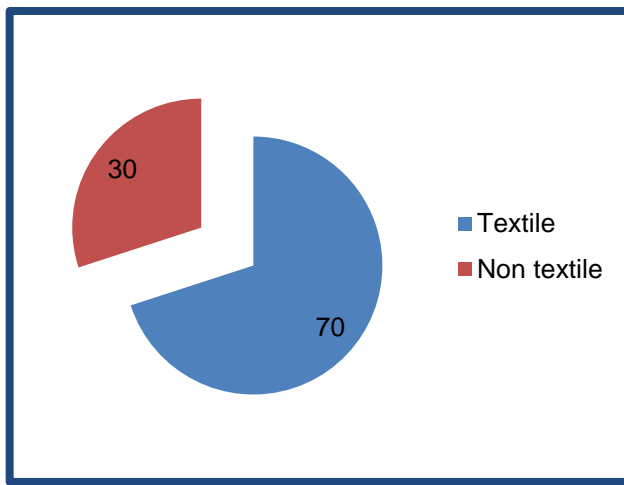


In 2013, UP-tex is a Network of 138 members
 Since 2006, 258 companies and laboratories were involved in UP-tex projects.

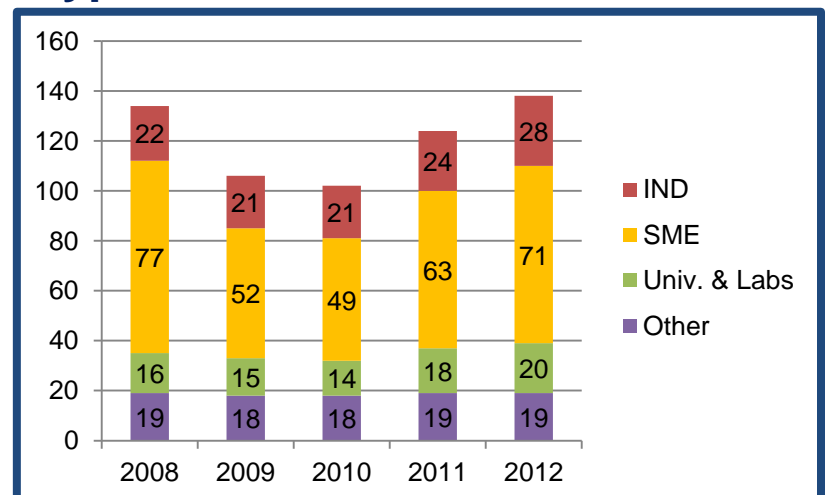
Membres by region



Origin of companies



Type of membres





SERVICES

Team of experts
in collaborative
project
engineering

Prospecting new members
for consortia

Increasing members
in 2012 (+11%)

Helping mounting
consortium

7 companies per
project

Funding engineering

100 millions €
funding since 2008

Access to a
qualified
information on
markets and
technologies

Survey web platform

40 surveys
newsletters / year

Technological days
(workshops)

25 workshops since
2008

12 14 (Lunches), research
and innovation workshops

50 lunches since
2008

Participation to scientific
congress and exhibitions

200 participations
since 2008



SERVICES

Access to new
markets for
exportation

Export mission and foreign
delegation

10 export missions
20 foreign
delegation received
(US, JP, KR, DE...)

Exhibition participation

31 participation on
exhibition
(TECHTEXTIL,
MEDICA, JEC...)

Business convention

FUTEX Convention
France-Quebec
symposium

Business offers platform

3 requests per day



SERVICES

Communication

Press

300 press articles
in 2012

Website

20 000 visitors
since 2010

Newsletter

Broadcasting 6
newsletter / year to
3500 contacts

Lobbying

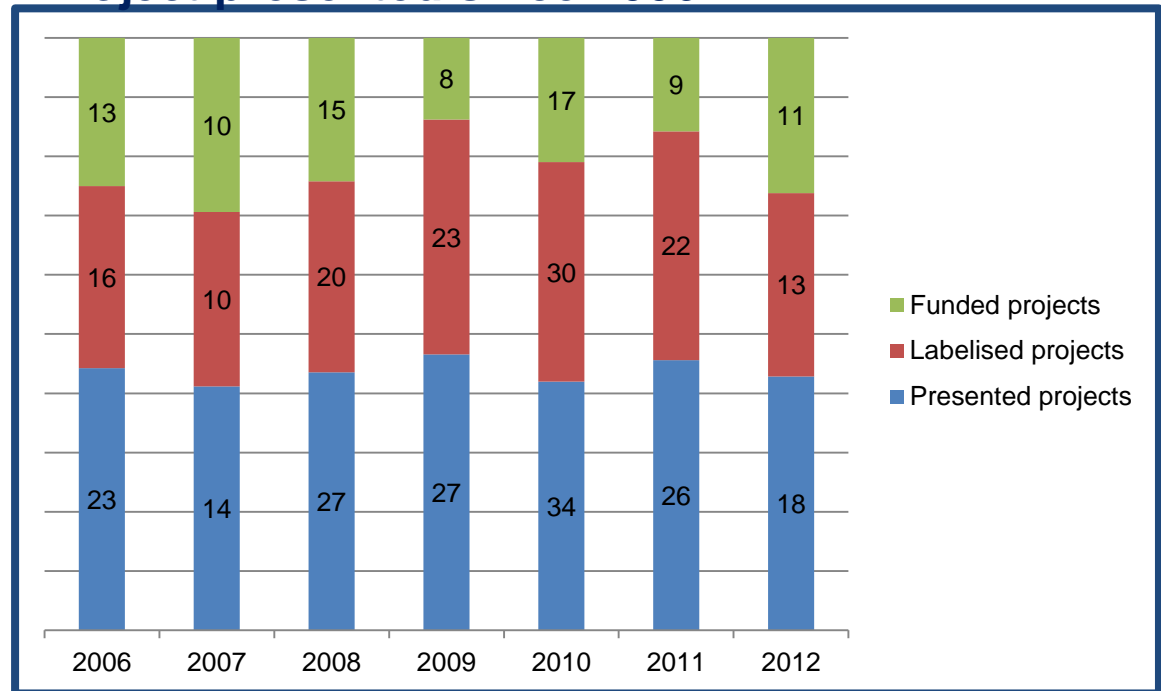
UP-tex offices in
Brussels and 15
newsletter and
lobbying meetings /
year



Since 2006 :

- 169 project submitted to our board of experts
- 134 received the UP-tex label
- 83 have been funded
- Success rate : 62%
- 175 millions € budget
- 100 millions subsidized

Project presented since 2006





Markets targeted by projects

NBRE OF FUNDED PROJECTS	MULTI-MARKETS	SUSTAINABILITY/ RECYCLING	CUSTOMISATION	SENSORIALITY	TECHNICAL CLOTHING	HEALTH	BUILDING	TRANSPORT	OTHER	
RAW MATERIAL	PSPC FUI PCRD Thèses proj.: ●●●	ANR ARCIR INTERREG CROSSTN Thèses proj.: ●				ANR OSEO Thèses proj.: ●●●			OSEO ●	20
MATERIAL TRANSFORMATION	PCRD ● Thèses proj.: ●	FUI OSEO ADEME Thèses proj.: ●			OSEO ●	FUI PCRD CROSSTN OSEO Thèses proj.: ●	PHD FUI CROSSTN OSEO	ANR FUI INDUSTRIALAB OSEO	CROSSTN ●	33
PROCESS METROLOGY	PHD FUI OSEO ADEME Thèses proj.: ●●	OSEO ●●●●	OSEO ●●	OSEO ●	CROSSTN OSEO ●●●●●	PHD ●	CROSSTN ●	ANR FUI ●●●●	ARCIR ●	33
	11	13	2	1	11	13	8	10	3	



BALLOO (French Funding - FUI): new materials and assembling process for flexible and resistant plane tanker

The project has the objective to develop a prototype of flexible tanker for plane, more resistance to crashes and obstruction after a ballistic impact.

New textile materials and new processes will be developed to obtain the prototype. The coordinator is a French SME in North of France specialized in flexible tanker and the final customer is EADS.

Budget : 3 456 934 € / Funding : 1 507 531 €

FILAIRCO (French Funding - FUI) : Multi component yarn spinning for innovative and functional fibrous materials applicated to air filtration.

The objective is the conception of new tri-component fibres for air filtration application. This project gather 11 french partners (6 SMEs, 3 IND, 2 LABS). Honeywell is the coordinator and filter products target automotive, industrial and protection markets. This project is the first to use the tri-component yarn spinning facility at CETI and also spunlaid and drylaid nonwoven processes. In a long term, the project aims to launch in France a pilot production of these yarns with the creation of a pilot plant between the partners.

Budget : 4 316 093 € / Funding : 1 544 000 €

SUFRENOV (EU funding - CROSSTEXNET) : Sustainable flame retardant non woven structures for building and automotive applications

Budget : 1 170 014 € / Funding : 701 881 €



Dispositifs Médicaux TEXTILES
Launched in 2008

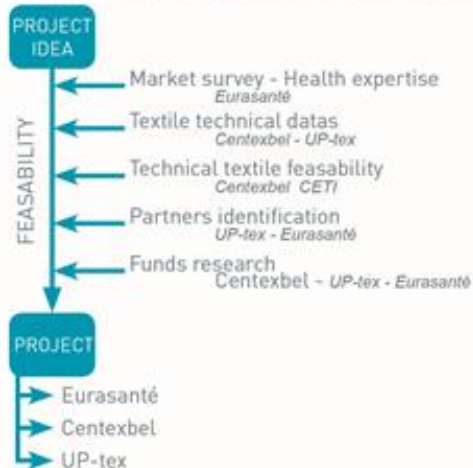
Funded by INTERREG

PARTNERSHIP :

UP-tex, French textile cluster
Eurasanté, health agency in North of France
Centexbel, Belgian textile center
CETI, Centre Européen des Textiles Innovants

OBJECTIVES :

- Fosters meeting and collaborations opportunities between health and textile companies in Wallonia and North of France.



RESULTS :

249 companies involved
5 market studies
8 workshops
18 projects



advanced TEXTile Solutions FOR
Sustainable CONstruction
Launch in end of 2011

Funded by OSEO and IWT via INNET

PARTNERSHIP :

UP-tex, French textile cluster
Centexbel, Belgian textile center

OBJECTIVES :

- Gathering 12 SME's around an ordering party to generate technological innovations for sustainable construction with textile materials.





CROSSTEXNET

Launch in
September 2009



CROSSTEXNET : european network (ERANET), initiated by UP-tex, gathering 17 partners

OBJECTIVES :

- Promote innovative textiles in Europe
- Consolidate research offer for a better competitiveness of industrial companies
- Fund innovation project for SME's in Europe
- Develop cooperation between european labs

RESULTS :

2 european projects calls
56 projects presented
26 projects funded
79 european SME's participating on projects

Textiles 2020

Fund by direction générale de l'industrie
Launched in 2012

PARTNERSHIP :

NFID (agence Régionale de l'Innovation Nord Pas de Calais), UP-tex, Agrupació d'Empreses Innovadores Tèxtils, AIE, (ES), cluster organisation based in Catalonia, CLUTEX (CZ), cluster organisation based in the Liberec region, INNtexas Innovation Netzwerk Textile. V. (DE), cluster organisation based in Saxony, NWTEXnet (UK), cluster organisation based in the region of Manchester, Po.in.tex – Polo di Innovazione Tessile (IT), cluster organisation from Piemonte, TECHTERA (FR), cluster organisation based in Rhône-Alpes, Textile Cluster of Valencia Region (ES), cluster organisation from Valencia

OBJECTIVES :

- Develop a european cluster dedicated to advanced textile materials
- Define a common strategy for SME's to access new market
- Prospection on Korean, Canadian, Bresilian and Maghrebi regions




CETI CENTRE
EUROPÉEN
DES TEXTILES INNOVANTS





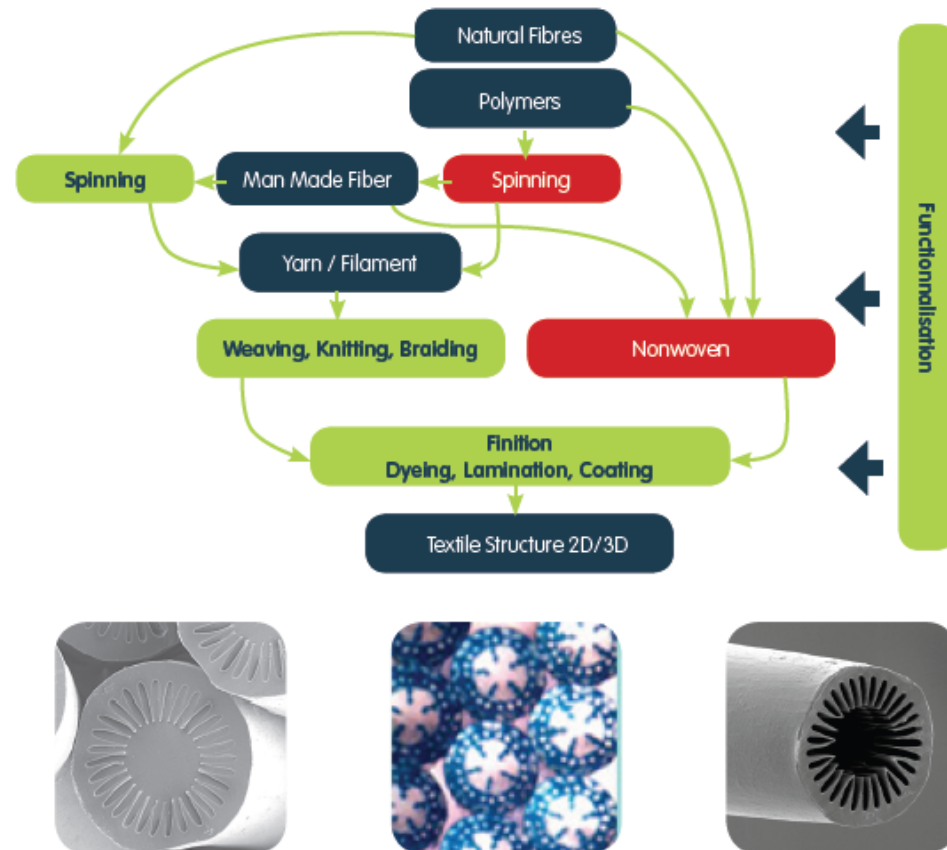
OBJECTIVES OF CETI:

Creation of a unique technological platform in Europe integrating whole technologies for the development of innovative textiles. The yarn spinning tool (Phase 1) will allow to develop high performance fibres, essential for a lot of markets like ultrafiltration, medical devices, smart textiles... There is only 4 models of this tool in the world. The nonwoven tool (Phase 1) will allow new technological combination to develop new industrial solutions. The growth rate expected by this market is more than 21% in 2017. The second phase forecasted for 2013 and 2014 will concentrate on manufacturing process (knitting, weaving, braiding) notably for composites and technical fabrics markets.

The CETI will be articulated with IEED PIVERT and IFMAS to develop textile applications from their bio-polymers. It answers to a strong needs from industrials whose are seeking for new raw materials (Biocompatible PET, PP, PLA...).

CETI Investment is 39 M€ for the phase 1 with 24 M€ for the building and 1 M€ for materials. Funding is ensured by Europe, French Government, Nord Pas de Calais Region, Lille Métropole Communauté Urbaine, Le Conseil Général du Nord and private funding.

Le CETI will be launched the 10th october 2012.

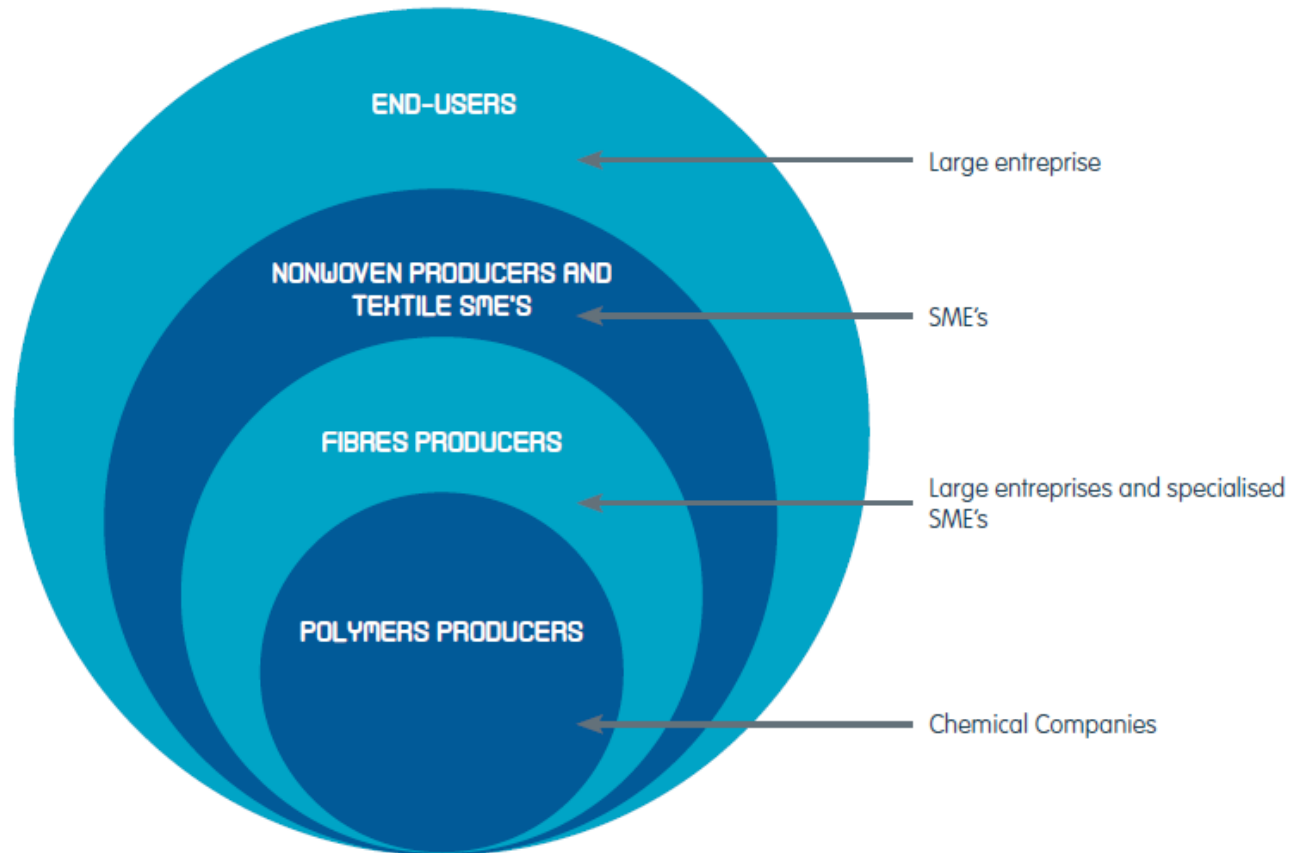




CUSTOMERS :

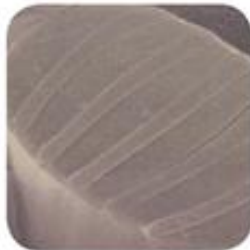
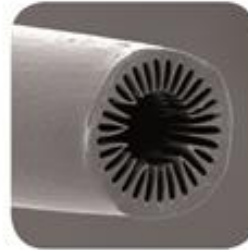
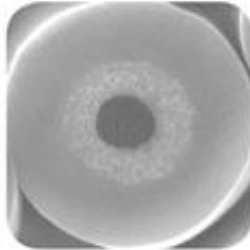
- Strategic analysis of competitors shows that CETI customers (phase 1) will be big companies using textiles, notably in hygiene, filtration and medical area. Will be concerned also, producer of nonwoven and fibres.
- SME's will find their place in CETI with new cooperation possibility with great ordering party and the development of short-scale production with production tools of phase 2.

OTHER RESEARCH LABORATORIES











Managing Director
MARC HONORE

Executive Assistant
CATHERINE
NICLOT

International Manager
STEPHAN VERIN

Project Engineering Team

JULIE
N
PAYEN

JEANN
E
MEILLIE
R

HUGUES
VINCHO
N

EDITH
DEGANS

Communication/Website

MARIN
E
TROUB
LE

ANNE-
SOPHIE
LUTUN



For more information:
Julien PAYEN, PhD
Project Manager
Julien.payen@up-tex.fr

Stéphan VERIN
International Manager
Stephan.verin@up-tex.fr

Pôle de compétitivité UP-tex
41 rue des métissages
59336 TOURCOING